

Amendments to the Claims:

Claim 1 (Currently Amended): A method for making a marking grid for radiographic imaging, comprising the steps of:

providing a substrate attached to a releasable backing, the substrate having a front side and a back side, the back side being releasably attached to the releasable backing, and the releasable backing defining a plurality of apertures spaced relative to each other along at least one marginal portion thereof;

registering the substrate and backing with at least one of a tool for cutting the substrate, and a tool for applying a material that is at least partially radiopaque to the substrate, by engaging the apertures in the backing with at least one rotatably driven drive member registered with ~~said~~the at least one tool; and

moving the substrate and backing relative to the at least one tool by rotatably driving the drive member, and moving the tool relative to the substrate to perform at least one of the following additional steps: (a) applying a material that is at least partially radiopaque to the substrate at predetermined locations on the substrate, and (b) forming apertures in the substrate extending between the predetermined locations of the at least partially radiopaque material on the substrate.

Claim 2 (Original): The method of claim 1, wherein the substrate is attached to the releasable backing by a pressure sensitive adhesive coating the back side of the substrate.

Claim 3 (Currently Amended): The method of claim ~~2~~1, wherein the releasable backing defines a plurality of holes on first and second marginal portions thereof.

Claim 4 (Original): The method of claim 3, wherein the plurality of holes on the first marginal portion are spaced equidistantly from each other, and the plurality of holes on the second marginal portion are spaced equidistantly from each other.

Claim 5 (Currently Amended): A method for making a marking grid for radiographic imaging, comprising the steps of:

providing a substrate attached to a releasable backing, the substrate having a front side and a back side, the back side being releasably attached to the releasable backing, and the

releasable backing defining a plurality of apertures spaced relative to each other along at least one marginal portion thereof;

registering the substrate and backing with a first tool head for applying a material to the substrate that is at least partially radiopaque by engaging the apertures in the backing with drive means registered with ~~said~~the first tool head;

applying a material that is at least partially radiopaque to the substrate at predetermined locations on the substrate using the first tool head;

moving the substrate and backing relative to the first tool head by driving the drive means ~~to move the substrate relative to the first tool head~~;

registering the substrate and backing with a second tool head for cutting the substrate by engaging the apertures in the backing with drive means registered with ~~said~~the second tool head;

forming apertures in the substrate extending between the predetermined locations ~~of radiopaque material~~ on the substrate by cutting the substrate using the second tool head; and

moving the substrate and backing relative to the second tool head by driving the drive means ~~to move the substrate relative to the second tool head~~.

Claim 6 (Original): The method of claim 5, wherein the second tool head is a die cutter.

Claim 7 (Original): The method of claim 5, wherein the drive means comprises sprockets rotatably mounted on a base having a plurality of sprocket pins which are received within the apertures of the releasable backing;

a motor drivingly connected to the sprockets; and

a control unit electrically coupled to the motor to control the movement of the marking grid through the apparatus.

Claim 8 (Currently Amended) The method of claim 5, further comprising the steps of:

registering the substrate and backing with a third tool head for printing indicia or other markings on the front side of the substrate by engaging the apertures in the backing with drive means registered with ~~said~~the third tool head;

printing indicia or other markings on the front side of the substrate at predetermined locations using the third tool head; and

moving the substrate and backing relative to the third tool head by driving the drive means ~~to move the substrate relative to the third tool head.~~

Claim 9 (New): The method of claim 1, wherein both steps (a) and (b) are performed.

Claim 10 (New): The method of claim 5, wherein the at least partially radiopaque material is applied to the substrate prior to forming the apertures of the substrate.